

Appl. No. 10/820,590
Docket No. 9031R
Amdt. dated February 20, 2008
Reply to Office Action mailed on August 22, 2007
Customer No. 27752

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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A packaged tooth whitening product, comprising:
a backing layer;
a tooth whitening composition comprising a mixture of a first and second polymers polymer, from about 10% to about 90% water, and a tooth whitening agent, wherein said first polymer is polyethylene oxide and said second polymer is polyvinyl alcohol ~~and wherein the dose of said tooth whitening agent per unit area is from about .001 mg/cm² to about 500 mg/cm².~~

Claim 2 (Previously Presented): The packaged tooth whitening product of claim 1, wherein the concentration of said first polymer is between about 10% and about 90% by weight of said tooth whitening composition.

Claim 3 (Previously Presented): The packaged tooth whitening product of claim 1, wherein the concentration of said second polymer is between about 0.5% and about 50% by weight of said tooth whitening composition.

Claim 4 (Cancelled).

Claim 5 (Previously Presented): The packaged tooth whitening product of claim 1, wherein said tooth whitening composition further comprises a plasticizer having a concentration between about 1% and about 80% by weight of said tooth whitening composition.

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Claim 6 (Previously Presented): The packaged tooth whitening product of claim 5, wherein said plasticizer is polyethylene glycol.

Claim 7 (Previously Presented): The packaged tooth whitening product of claim 1, wherein said polyvinyl alcohol has a hydrolysis between about 70% and about 91%.

Claim 8 (Previously Presented): The packaged tooth whitening product of claim 1, wherein said backing layer is a laminate.

Claim 9 (Previously Presented): The packaged tooth whitening product of claim 1, wherein said polyethylene oxide has an average molecular weight between about 300,000 and about 900,000.

Claim 10 (Previously Presented): The packaged tooth whitening product of claim 1, wherein said tooth whitening composition comprises a mixture of two or more polyethylene oxides and wherein said polyethylene oxides have different average molecular weights.

Claim 11 (Previously Presented): The packaged tooth whitening product of claim 1, wherein said tooth whitening agent is hydrogen peroxide.

Claim 12 (Previously Presented): The packaged tooth whitening product of claim 1, wherein said first and second polymers are water soluble.

Claim 13 (Withdrawn): A method of manufacturing a tooth whitening composition, comprising:

- mixing a first mixture comprising a first water soluble polymer and a first solvent;
- mixing a second mixture comprising a second water soluble polymer and a second solvent;
- adding said first and second mixtures to form a third mixture; and

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mixing a tooth whitening agent with said third mixture.

Claim 14 (Withdrawn): The method of claim 13, wherein said first and second solvents are water.

Claim 15 (Withdrawn): The method of claim 13, wherein said first and second solvents are different.

Claim 16 (Withdrawn): The method of claim 13, wherein one of said first and second solvents comprises a mixture of solvents.

Claim 17 (New): The packaged tooth whitening product of claim 1, wherein the tooth whitening composition is a layer that is substantially coextensive with the backing layer.

Claim 18 (New): The packaged tooth whitening product of claim 1, wherein the backing layer is substantially water impermeable.

Claim 19 (New): The packaged tooth whitening product of claim 1, wherein the backing layer is discontinuous.

Claim 20 (New): The packaged tooth whitening product of claim 1, wherein the backing layer comprises a plurality of hours.

Claim 21 (New): The packaged tooth whitening product of claim 20, wherein the tooth whitening composition comprises a plurality of hours.

Claim 22 (New): The packaged tooth whitening product of claim 1, wherein the tooth whitening product has a thickness less than about 1 mm.

Claim 23 (New): The packaged tooth whitening product of claim 1, wherein the tooth whitening composition is formed by casting.